CLAIMS

What is claimed is:

1. A system for removing vapors and particles from a pressurized surgical cavity, the system comprising:

a fluid pathway including an intake end and a return end, both ends being in fluid communication with a pressurized surgical site;

a flow generating device in fluid communication with the fluid pathway and located between the intake end and the return end;

a filter in fluid communication with the fluid pathway and located between the intake end and the return end,

wherein the flow generating device generates a flow rate through the system of approximately 0.2 to approximately 4.5 liters per minute for a fluid comprising insufflation gases.

2. The system of claim 1, wherein the flow rate creates a minimal total system pressure loss.

3. The system of claim 1, the flow rate is approximately 2.5 to approximately 4.0 liters per minute.

4. The system of claim 3, wherein the flow rate creates a minimal total system pressure loss.

5. The system of claim 1, wherein the flow generating device is sterile prior to use and disposable.

6. The system of claim 1, wherein the filter includes a water trap.

7. The system of claim 1 further comprising a valve adapted to control the fluid flow.

8. The filter of claim 1 further comprising an odor removing media.

9. The filter of claim 1 further comprising a particulate removing media.

10. The system of claim 1, wherein the flow generating device is battery powered.

11. The system of claim 1, wherein the generated flow is substantially steady.

12. The system of claim 1, wherein the flow generating device and the filter are capable of undergoing sterilization.

13. The system of claim 1, wherein the system is capable of undergoing sterilization.

14. The system of claim 1, the flow generating device is incapable of generating a spark.

15. The system of claim 1, wherein the system is disposable.

16. The system of claim 1, wherein the system is operable without being coupled to any device remote from the location of its use.

17. The system of claim 1, wherein the flow generating device comprises a positive displacement pump.